#20 E

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application No.: 09/493,031	Group Art Unit: 2131
Date Filed: January 28, 2000	Examiner: James Seal
Inventor: Gideon Samid	Attorney Dkt. No.: 113149-00101
Title: Denial Cryptography Based on Graph Theory	

SUPPLEMENTAL AMENDMENT

Hon. Commissioner for Patents
Washington, D.C. 20231

Date: November 18, 2002

Sir:

The present Amendment is filed in response to the Supplemental Office Action dated October 17, 2002.

Please amend the above-captioned application as follows:

In the Specification:

Please replace the paragraph beginning at page 9, line 18 with the following rewritten paragraph:

E1

--Using any polyalphabetic encryption method or close variety thereof, E, for which the corresponding decryption algorithm is D; if plaintext M turned into cipher C by employing encryption keys K=Ke=Kd, then it is highly unlikely that there is another key K'≠K such that by decrypting C with K' it would yield plaintext M' ≠M, in such a way that M' would be interpreted as the original message, M.--

Please replace line 1 beginning at page 21 with the following:

E2

--ed = 1 mod φ (n)--

Please replace the paragraph beginning at page 41 line 15, with the following rewritten paragraph:

E3

--The non-repeat plaintext may be interpreted as a sequence of letter pairs: i,j, such that i≠j. Starting at any element i on the universal letter space, it would be possible to bridge over directly to an element of color j, or bridge over to a j-element through a series of k elements of color i. So much is assured by the full-access rule.--